

MATERIAL SAFETY DATA SHEET *Dpm 424 Series*

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

February 1980

SECTION I

MANUFACTURER'S NAME Koppers Co., Inc.		EMERGENCY TELEPHONE NO. 412-227-2000
ADDRESS (Number, Street, City, State, and ZIP Code) Pittsburgh, PA 15219		
CHEMICAL NAME AND SYNONYMS Lacquer - Cellulose Nitrate		TRADE NAME AND SYNONYMS Cellulose Nitrate Gloss Lacquer
CHEMICAL FAMILY Lacquer - Cellulose Nitrate	FORMULA TT-L-32A Type 2	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS * Lead Chromium		15Mg/M ³ 5Mg/M ³	BASE METAL		
Solvent: Butyl Acetate		150PPM	ALLOYS		
Isopropyl Alcohol		400PPM	METALLIC COATINGS		
N Butanol		50PPM			
M E K		200PPM	FILLER METAL		
Toluene		100PPM	PLUS COATING OR CORE FLUX		
Butyl Cellosolve		25PPM	OTHERS		
M I B K		50PPM			
M I B C		25PPM			
V M & P		300PPM			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
* The following colors have pigments that contain lead and chromium: 14187, X14087, 13655, 13538, 13594, 12197, 11136.					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H ₂ O=1)	Wt/Gal According to Color 7.5-8.0lbs
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	50-70%
VAPOR DENSITY (AIR=1)	Heavier	EVAPORATION RATE (N But Acet =1)	Faster
SOLUBILITY IN WATER	Insoluble		
APPEARANCE AND ODOR Viscous liquid with typical solvent odor.			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) 23 F TCC	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA Water, fog, foam, CO2 or dry chemical.			
SPECIAL FIRE FIGHTING PROCEDURES Use air supplied equipment for enclosed areas. Cool closed containers with water.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Keep away from heat, sparks or flames.			

THRESHOLD LIMIT VALUE
.15MG/M3 lead in air, .5 Mg/M ³ chromium in air. 25PPM from solvent vapor.
EFFECTS OF OVEREXPOSURE
Irritation to eyes, nose and throat near or above 25 ppm from vapors. Higher concentrations cause drowsiness; dizziness, followed by coma.
EMERGENCY AND FIRST AID PROCEDURES
If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Call a physician. In case of skin contact, wash thoroughly with soap and water; for eyes, flush immediately with plenty of water for 15 minutes and contact a physician. Wash contaminated clothes before reuse. If swallowed, CALL A PHYSICIAN IMMEDIATELY. DO NOT induce vomiting.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition (flame, electrical, static or frictional sparks; hot surfaces, etc.). Avoid breathing vapors. Ventilate area. Contain and scoop up spill with non-sparking tools, rags, etc. Use inert absorbent materials on small spills or on residuals of large spills.
WASTE DISPOSAL METHOD
Dispose of in accordance with local applicable regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Organic vapor canister where oxygen content is adequate and vapor concentration is less than 2% or use air supplied face masks.		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES	Rubber gloves	EYE PROTECTION
		Goggles
OTHER PROTECTIVE EQUIPMENT		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep containers closed when not in use and upright to prevent leakage. Avoid flames, welding, smoking, sparks, open lights, etc. Avoid breathing of vapor or spray mist. Avoid eye and skin contact.
OTHER PRECAUTIONS
Maintain good personal hygiene. Do not use in confined areas, tank or pit without adequate ventilation.